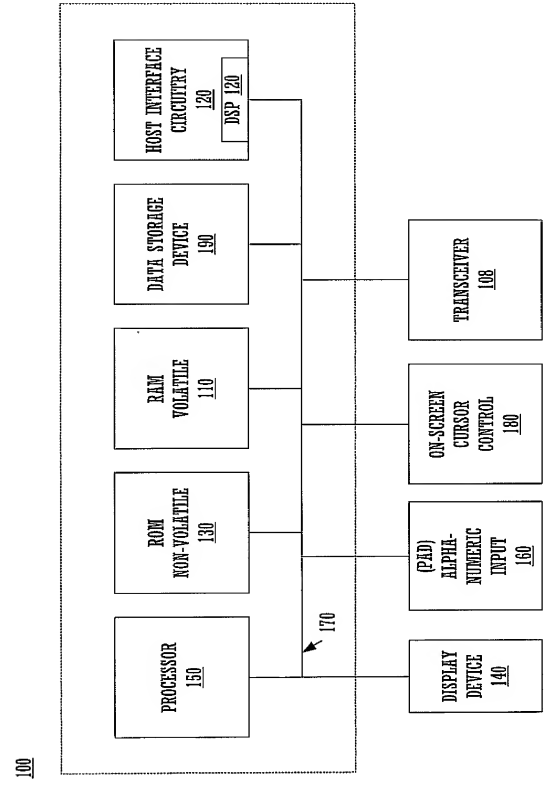
100
PROCESSOR 150
ROM NON-VOLATILE 130
RAM VOLATILE 110
DATA STORAGE DEVICE 190
HOST INTERFACE CIRCUITRY 120
DSP 120
170
DISPLAY DEVICE 140
(PAD) ALPHA-NUMERIC INPUT 160
ON-SCREEN CURSOR CONTROL 180
TRANSCEIVER 108

FIGURE 1

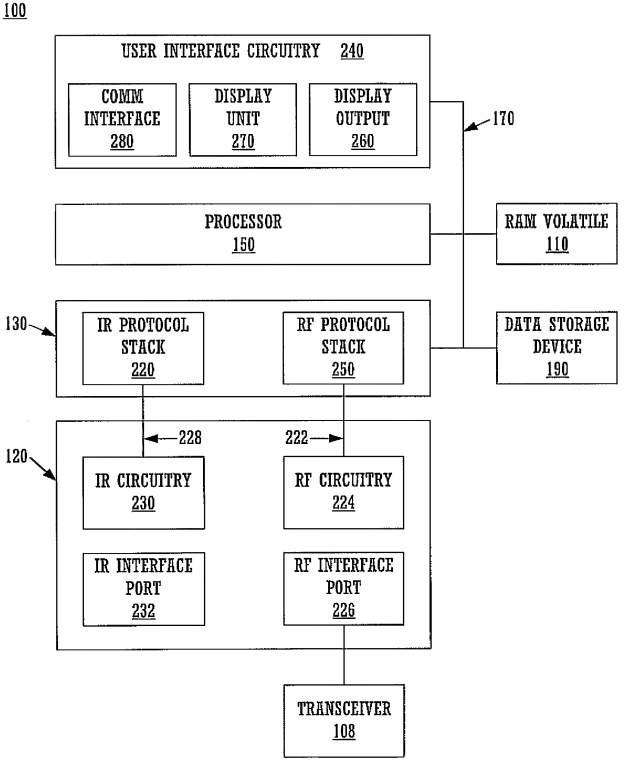
100
USER INTERFACE CIRCUITRY 240
COMM INTERFACE 280
DISPLAY UNIT 270
DISPLAY OUTPUT 260
170
PROCESSOR 150
RAM VOLATILE 110
130
IR PROTOCOL STACK 220
RF PROTOCOL STACK 250
DATA STORAGE DEVICE 190
228
222
120
IR CIRCUITRY 230
RF CIRCUITRY 224
IR INTERFACE PORT 232
RF INTERFACE PORT 226
TRANSCEIVER 108

FIGURE 2

300

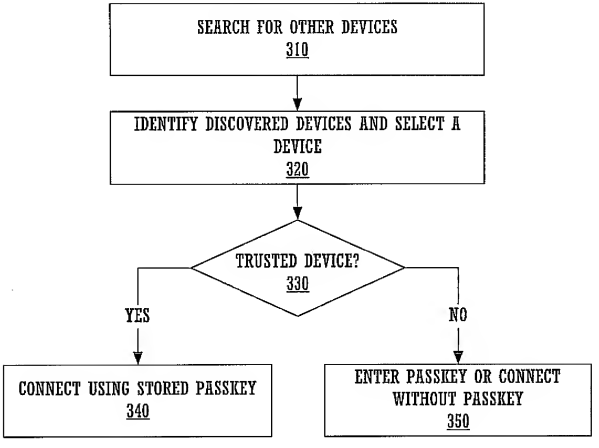
SEARCH FOR OTHER DEVICES
310
IDENTIFY DISCOVERED DEVICES AND SELECT A DEVICE
320
TRUSTED DEVICE?
330
YES
NO
CONNECT USING STORED PASSKEY
340
ENTER PASSKEY OR CONNECT WITHOUT PASSKEY
350

FIGURE 3

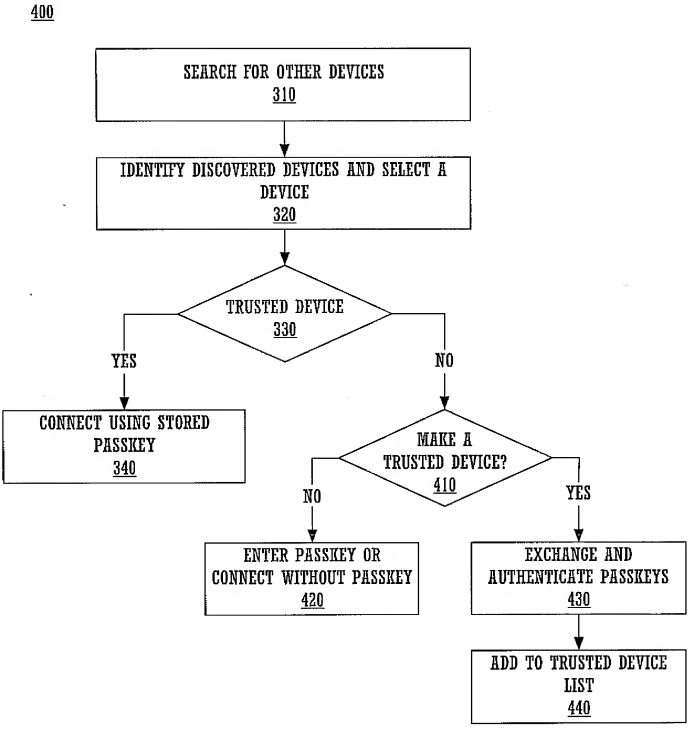
400
SEARCH FOR OTHER DEVICES
310
IDENTIFY DISCOVERED DEVICES AND SELECT A DEVICE
320
TRUSTED DEVICE
330
YES
NO
CONNECT USING STORED PASSKEY
340
MAKE A TRUSTED DEVICE?
410
NO
YES
ENTER PASSKEY OR CONNECT WITHOUT PASSKEY
420
EXCHANGE AND AUTHENTICATE PASSKEYS
430
ADD TO TRUSTED DEVICE LIST
440

FIGURE 4

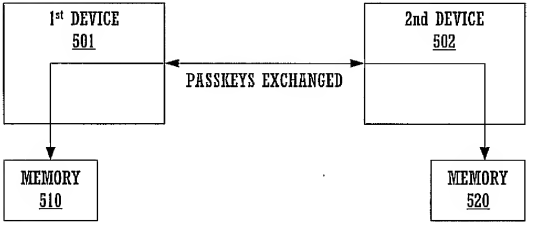
1st DEVICE
501
2nd DEVICE
502
PASSKEYS EXCHANGED
MEMORY
510
MEMORY
520

FIGURE 5A

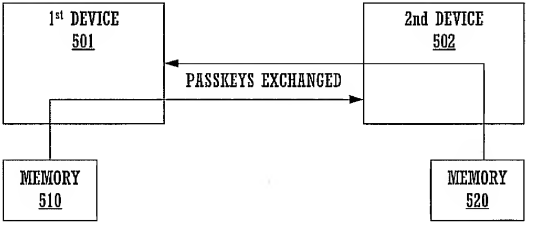
1st DEVICE
501
2nd DEVICE
502
PASSKEYS EXCHANGED
MEMORY
510
MEMORY
520

FIGURE 5B